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PHOTOGRAPHIC INTERPRETATION REPORT



VITAL RECORDS COPY
KAPUSTIN YAR/
VLADIMIROVKA
MISSILE TEST CENTER
USSR

LAUNCH AREA IC

MARCH 1967

COPY 116

6 PAGES

25X1

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Declass Review by NIMA/DOD

GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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PREFACE

This report is one of a series prepared under NPC Project 11211/66, in response to CIA requirement C-DI5-82,975, which requests detailed line drawing, to scale, of selected elements of the Kapustin Yar/Vladimirovka Missile Test Center (KY/Vlad MTC, Figure 1). The basic layout of the selected elements contained in this and other associated reports was compiled from recent high-resolution photography. Individual reports will be updated periodically upon completion of the series, in order that changes may be reflected as they are observed on subsequent photography.

The precision target plot included in this report is a mathematically rectified projection of the area. Plots are compiled by utilizing precision mensuration instruments, and image interpretation is performed with the aid of stereoscopic viewing equipment. Identifiable image points are measured and their coordinate values mathematically transformed by computer. This transformation corrects for camera and attitude (pitch, roll, and yaw) induced distortions, but does not correct for displacement due to ground relief and object height.

The horizontal dimensions included in this report are accurate to within plus or minus 5 feet or plus or minus 5 percent, whichever is greater. Vertical dimensions are accurate to plus or minus 5 feet.

These target plots represent the most accurate data compiled to date, but the user is cautioned to exercise care in scaling distances or determining azimuths from these plots, because relief can introduce errors in distance and alignment.

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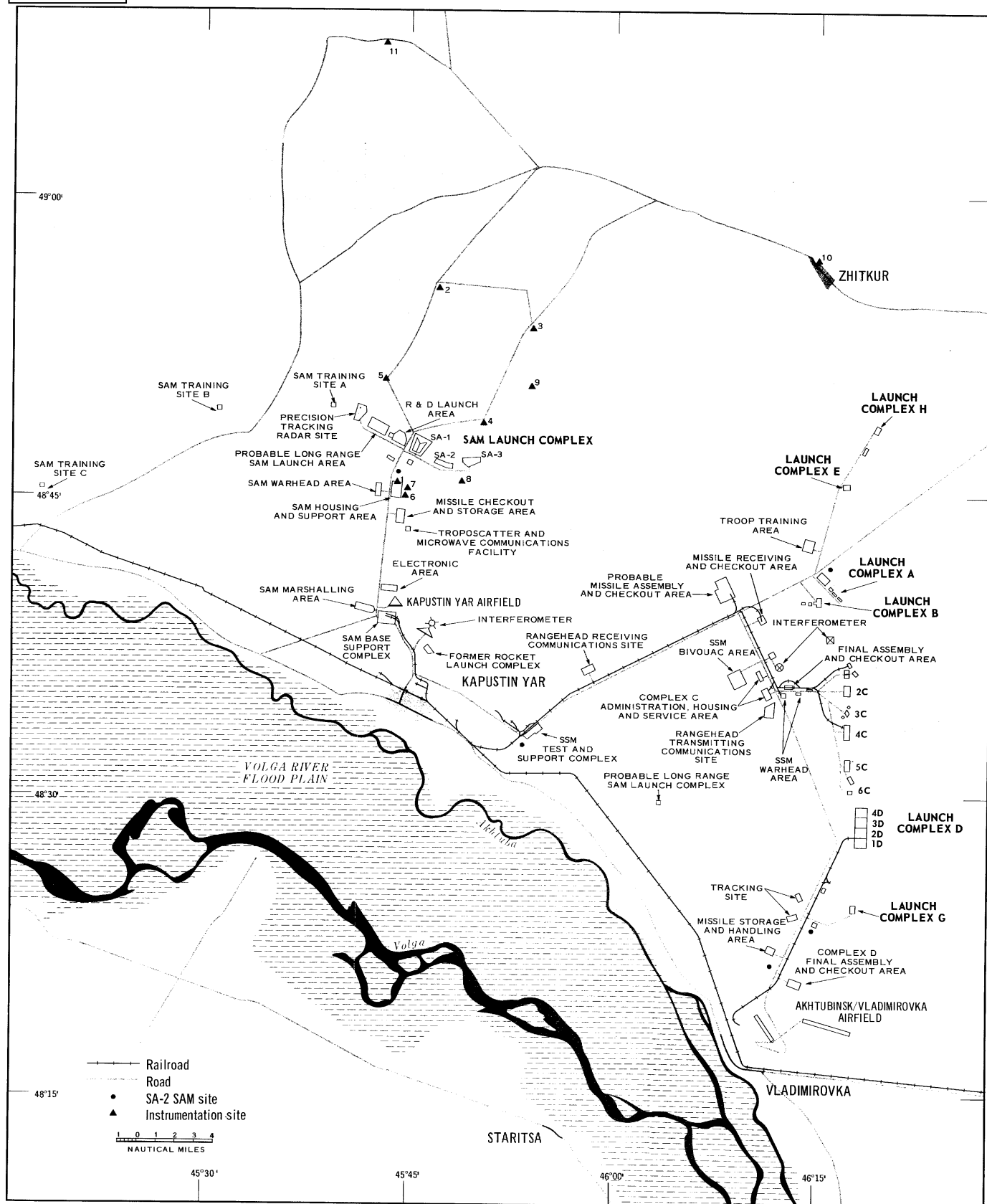


FIGURE 1. KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR.

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KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER

LAUNCH AREA 1C

(48-36N 046-17E)

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Launch Area 1C (Figures 2 and 3) was complete when the KY/Vlad MTC was first seen in [] when 1 launch pad, now designated 1C1, was present. A series of modifications took place at the launch area between [] and [] when rail service was brought into the launch area and 2 new launch pads, designated 1C2 and 1C3, were added. Since photographic coverage is not available prior to [] the launch area cannot be negated.

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The launch area, located 1.6 nautical miles (nm) northeast of the Complex C Operations Area, consisted of a road-served, double-fenced launch pad in []. Rail service was put in and a pad extension was added between [] and []. Construction was started on Launch Pad 1C2 and 1C3 in [] and apparently concluded by [].

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Launch Pad 1C1 consists of a generally rectangular pad on a loop road pattern. A large concrete-covered control bunker is located on the north side of the pad. A rail line and siding which lead directly to the launch point were removed by [].

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Vehicular activity observed in the launch area as early as [] conclusively ties the launch facilities to the SS-4 at that time.

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The identical launch pads, 1C2 and 1C3, are located north and northeast of Launch Pad 1C1 and are separated by 525 feet. Each pad is rail served and has a probable erector at the launch point. A light-toned [] possible canister is positioned on the top of each probable erector.

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An overhead crane is permanently positioned on the south side of each launch pad and will extend over the pad area when the boom is rotated.

A small bunker is located near the base of the overhead crane. Buried conduits extend from under the pads and from the small bunkers to the main control bunker.

An unidentified structure, centrally located between 1C2 and 1C3, has additional conduits extending from it to the 2 small bunkers, the main control bunker, and another central structure forward of the launch pads. Five, in line, northeast-southwest footings for probable instruments are located between the 2 pads. Two probable conduits extend forward from each pad (1C2 and 1C3) to where they terminate at small instrumentation hardstands. The 2 conduits form an angle of 45 degrees from the pad downrange/launch azimuth.

Four drive-in revetments and a personnel bunker are in the area of the launch pads. Four support buildings, 2 small personnel bunkers, and a vehicle revetment are located near the entrance to the launch area.

A missile checkout area, located 1,200 feet west of the launch area, consists of a drive-through checkout building on a loop road pattern and a rectangular structure on a hexagonal-shaped concrete pad. Three rails lead from each end of this structure to the ends of concrete aprons that protrude from either side of the hexagonal pad. There is no paved road connection to the hexagonal pad.

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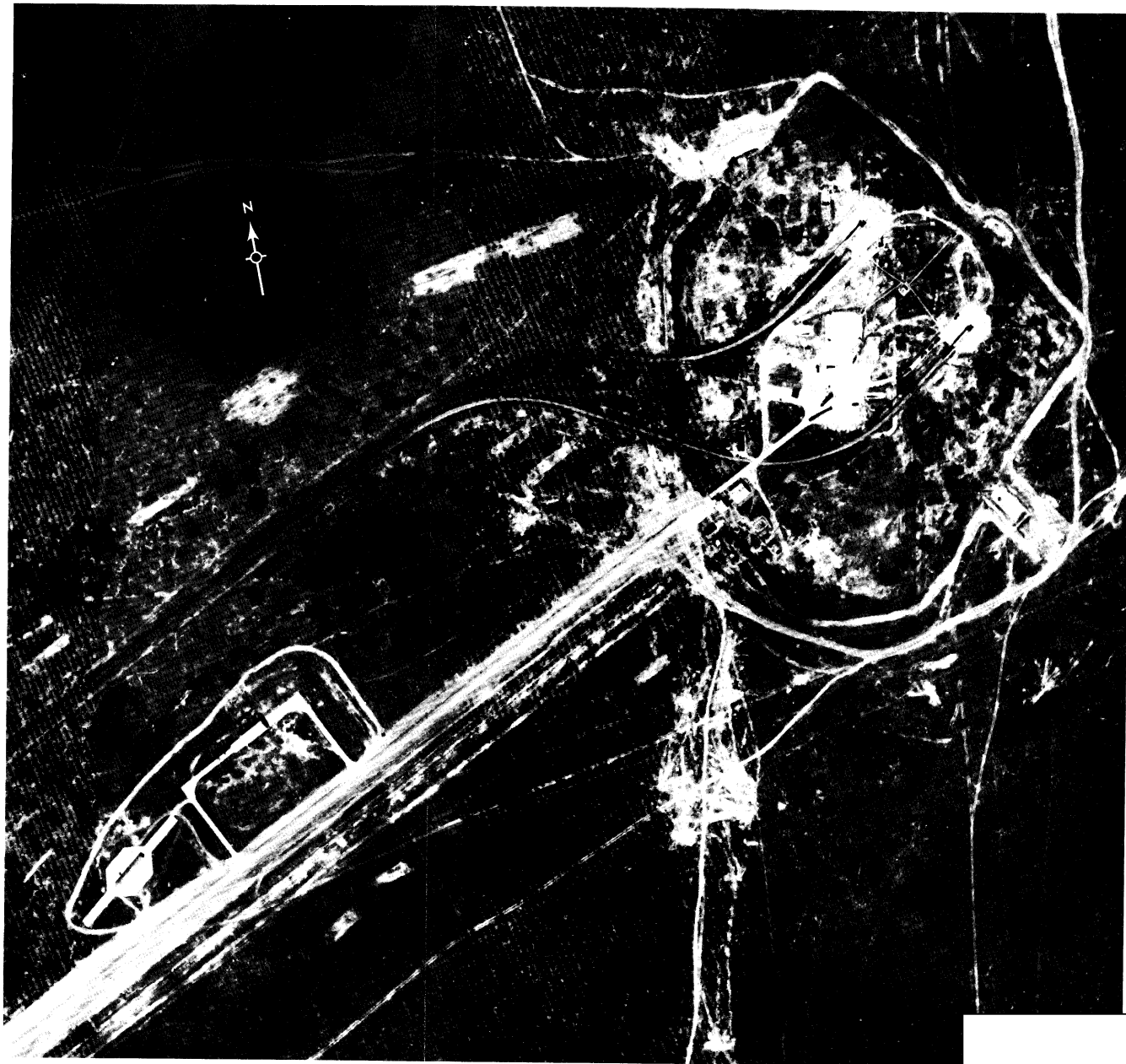


FIGURE 2. LAUNCH AREA 1C, KY/VLAD MTC.

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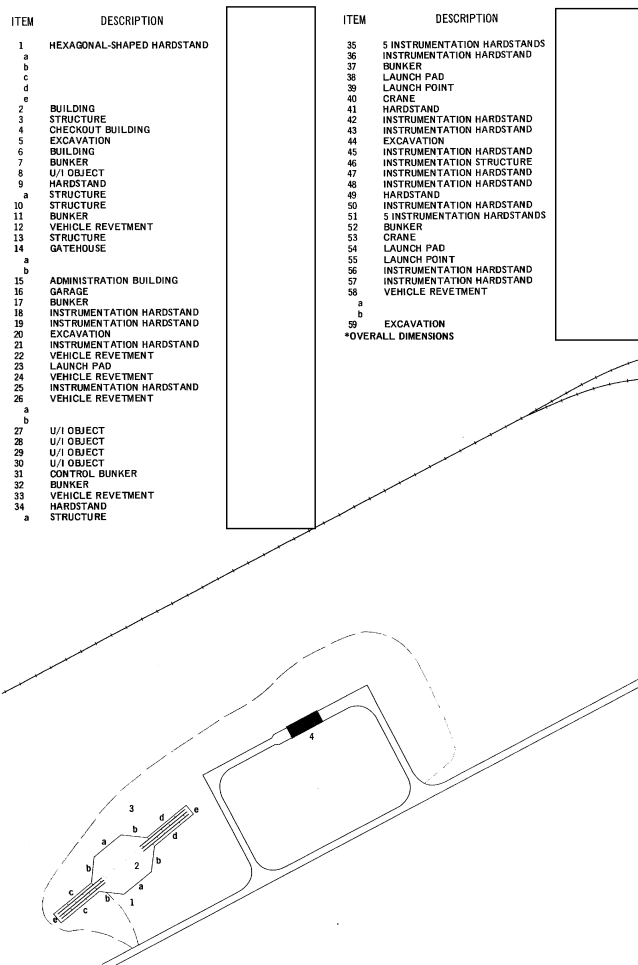


FIGURE 3. RECTIFIED PLOT, LAUNCH AREA 1C, KY/VLAD MTC.

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REFERENCES

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RELATED DOCUMENT

NPIC. R-5113/64, *Launch Complex C, Kapustin Yar/Vladimirovka Missile Test Center, USSR*, Dec 64 (TOP SECRET)

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REQUIREMENT

CIA. C-DI5-82,975

NPIC PROJECT

11211/66 (partial answer)

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